

Recovery Plan Action Status

Plan Name: Knieskern's Beaked-rush (*Rhynchospora knieskernii*) Recovery Plan

Plan Status: Final

Plan Date: 29-Sep-93

Lead Agency: USFWS

Lead Office: New Jersey Ecological Services Field Office

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646-9310)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Knieskern's Beaked-rush (<i>Rhynchospora knieskernii</i>)	2	1.1	Ensure long-range protection for habitat on public lands	Ongoing Current	Prior to FY 1995		Federal Agencies, State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Acquisition: Management Agreement, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Information and Education, Other: Law Enforcement, Research: Habitat Requirements, Research: Management Techniques, Research: Other Information	Internal Administrative, Internal Technical Assistance, Species Expert	
Knieskern's Beaked-rush (<i>Rhynchospora knieskernii</i>)	2	1.2	Make recommendations for best management practices	Partially Complete	Prior to FY 1995		Conservation Organizations, State Natural Heritage Programs and natural resource agencies, Private Institutions such as universities and horticultural facilities, U.S. Fish and Wildlife Service, Region 5	Research: Other Information	Internal Administrative, Internal Technical Assistance, Species Expert	

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Knieskern's Beaked-rush (Rhynchospora knieskernii)	2	1.3	Secure commitments for long-range monitoring and management of the species on public lands	Ongoing Current	FY 1995 - FY 1999		Federal Agencies, State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Acquisition: Management Agreement, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Information and Education, Other: Law Enforcement, Research: Habitat Status, Research: Management Techniques, Research: Population Surveys	Internal Administrative, Internal Technical Assistance, Species Expert, Volunteer	
Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	1.4	Assess the feasibility of obtaining permanent protection for highly ranked sites not currently found on public lands	Ongoing Current	Prior to FY 1995		Conservation Organizations, State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Acquisition: Management Agreement, Management: General, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Research: Habitat Status, Research: Population Surveys	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Will assess extant occurrences, including any found in 1993 survey
Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	1.5	Seek landowner cooperation	Ongoing Current	Prior to FY 1995		State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Acquisition: Management Agreement, Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	
Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	1.6	Ensure compliance with statutes protecting the species	Ongoing Current	Prior to FY 1995		Federal Agencies, State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Other: Administration, Other: Regulations	Internal Administrative, Internal Technical Assistance	

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Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	2.1	Conduct searches for additional populations	Ongoing Not Current	Prior to FY 1995		State Natural Heritage Programs and natural resource agencies	Research: Habitat Status, Research: Population Surveys	Contract, Internal Technical Assistance, Species Expert, Volunteer	
Knieskern's Beaked-rush (Rhynchospora knieskernii)	2	2.2	Update information on extant occurrences	Ongoing Current	Prior to FY 1995		State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Other: Information and Education, Research: Demographic Studies, Research: Habitat Status, Research: Other Information, Research: Population Surveys	Contract, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	This task should also address the questions in Tasks 3.1 and 3.3
Knieskern's Beaked-rush (Rhynchospora knieskernii)	2	2.3	Determine status trends over a three year period	Ongoing Current	FY 2008		State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Other: Information and Education, Research: Demographic Studies, Research: Habitat Status, Research: Other Information, Research: Population Surveys	Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Assessment based on results of Task 2.2
Knieskern's Beaked-rush (Rhynchospora knieskernii)	2	3.0	Determine the capacity of the plant to colonize new sites and establish populations	Ongoing Current			Conservation Organizations, State Natural Heritage Programs and natural resource agencies, Private Institutions such as universities and horticultural facilities, U.S. Fish and Wildlife Service, Region 5	Management: Population Monitoring, Other: Administration, Research: Demographic Studies, Research: Ecosystem Studies, Research: Habitat Requirements, Research: Management Techniques, Research: Other Information, Research: Population Assessment	Contract, Graduate Student, Internal Administrative, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	

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Knieskern's Beaked-rush (Rhynchospora knieskernii)	2	3.1	Complete pertinent life history studies	Ongoing Current	FY 1995 - FY 1999		State Natural Heritage Programs and natural resource agencies, Private Institutions such as universities and horticultural facilities	Research: Competition, Research: Demographic Studies, Research: Habitat Requirements, Research: Management Techniques, Research: Migration, Research: Other Information, Research: Population Surveys, Research: Predation	Contract, Internal Administrative, Internal Technical Assistance, Species Expert	
Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	3.2	Investigate seed-banking characteristics	Partially Complete	Prior to FY 1995		Private Institutions such as universities and horticultural facilities	Research: Habitat Requirements, Research: Other Information	Internal Technical Assistance, Species Expert	
Knieskern's Beaked-rush (Rhynchospora knieskernii)	2	3.3	Characterize the species' habitat	Ongoing Current	FY 1995 - FY 1999		Conservation Organizations, State Natural Heritage Programs and natural resource agencies, Private Institutions such as universities and horticultural facilities, U.S. Fish and Wildlife Service, Region 5	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Research: Competition, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Other Information, Research: Population Surveys	Contract, Graduate Student, Internal Administrative, Internal Technical Assistance, Species Expert	
Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	3.4	Conduct experiments to determine the potential for introducing the species to suitable habitat	Ongoing Current	FY 2008		Conservation Organizations, State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Management: Habitat Maintenance and Manipulation	Contract, Graduate Student, Internal Administrative, Internal Technical Assistance, Species Expert	

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Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	4	Develop a post-delisting strategy for maintaining the species in suitable habitat	Not Started			Conservation Organizations, State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Work type not yet selected	Labor type not yet selected	
Knieskern's Beaked-rush (Rhynchospora knieskernii)	3	5	Review recovery progress and revise recovery plan as necessary	Ongoing Current	Prior to FY 1995		State Natural Heritage Programs and natural resource agencies, U.S. Fish and Wildlife Service, Region 5	Management: Planning, Other: Administration, Research: Demographic Studies, Research: Habitat Status, Research: Other Information, Research: Population Surveys	Internal Administrative, Internal Technical Assistance, Species Expert, Volunteer	No funding allocation